

Title (en)

COMMUNICATION DEVICES INCORPORATING REDUCED AREA IMAGING DEVICES

Title (de)

ÜBERTRAGUNGSVERFAHREN MIT PLATZSPARENDER BILDAUFNAHMEVORRICHTUNG

Title (fr)

DISPOSITIFS DE COMMUNICATION UTILISANT DES DISPOSITIF D'IMAGERIE DE DIMENSION REDUITE

Publication

EP 1300001 A1 20030409 (EN)

Application

EP 01948574 A 20010620

Priority

- US 0119854 W 20010620
- US 61302700 A 20000710

Abstract (en)

[origin: US2017302874A1] A reduced area imaging device is provided for use in medical or dental instruments such as an endoscope. The imaging device is provided in various configurations, and connections between the imaging device elements and a video display may be achieved by wired or wireless connections. A connector assembly located near the imaging device interconnects the imaging device to an image/power cable extending through the endoscope. The connector provides strain relief and stabilization for electrically interconnecting the imager to the cable. The connector also serves as the structure for anchoring the distal ends of steering wires extending through the body of the endoscopic device. The connector includes a strain relief member mounted over a body of the connector. The connector allows a steering wire capability without enlarging the profile of the distal tip of the endoscopic device.

IPC 1-7

H04N 3/15; H04N 7/14

IPC 8 full level

A61B 1/05 (2006.01); **G06F 1/16** (2006.01); **G06F 3/00** (2006.01); **H01L 25/16** (2006.01); **H04M 1/02** (2006.01); **H04N 5/225** (2006.01); **H04N 5/335** (2006.01); **H04N 7/14** (2006.01); **A61B 1/005** (2006.01)

CPC (source: EP US)

A61B 1/00009 (2013.01 - EP US); **A61B 1/00016** (2013.01 - EP US); **A61B 1/00032** (2013.01 - EP US); **A61B 1/00034** (2013.01 - EP US); **A61B 1/00045** (2013.01 - EP US); **A61B 1/00048** (2013.01 - EP US); **A61B 1/00135** (2013.01 - EP US); **A61B 1/00163** (2013.01 - EP US); **A61B 1/005** (2013.01 - EP US); **A61B 1/045** (2013.01 - EP US); **A61B 1/05** (2013.01 - EP US); **G06F 1/1616** (2013.01 - EP US); **G06F 1/1626** (2013.01 - EP US); **G06F 1/1647** (2013.01 - EP US); **G06F 1/1649** (2013.01 - EP US); **G06F 1/1671** (2013.01 - EP US); **G06F 1/1686** (2013.01 - EP US); **G06F 1/1698** (2013.01 - EP US); **H01L 25/167** (2013.01 - EP US); **H04N 7/142** (2013.01 - EP US); **H04N 23/51** (2023.01 - EP US); **H04N 23/531** (2023.01 - EP US); **H04N 23/54** (2023.01 - EP US); **H04N 23/555** (2023.01 - EP); **H04N 23/57** (2023.01 - EP US); **H04N 23/63** (2023.01 - EP US); **H04N 25/745** (2023.01 - EP US); **H04N 25/77** (2023.01 - US); **A61B 1/0051** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **H01L 2924/3011** (2013.01 - EP US); **H04N 23/555** (2023.01 - US)

C-Set (source: EP US)

H01L 2924/0002 + H01L 2924/00

Cited by

US9667896B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0205546 A1 20020117; AT E320693 T1 20060415; AU 7004101 A 20020121; DE 60117989 D1 20060511; DE 60117989 T2 20061207; EP 1300001 A1 20030409; EP 1300001 B1 20060315; JP 2004512704 A 20040422; US 2002180867 A1 20021205; US 2017302874 A1 20171019; US 6452626 B1 20020917; US 6862036 B2 20050301

DOCDB simple family (application)

US 0119854 W 20010620; AT 01948574 T 20010620; AU 7004101 A 20010620; DE 60117989 T 20010620; EP 01948574 A 20010620; JP 2002509280 A 20010620; US 19818902 A 20020717; US 201615368627 A 20161204; US 61302700 A 20000710